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International Researcher IDs

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Publons / Web Of Science ResearcherID: AEN-9501-2022

ScopusID: 37014098700

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Learning Knowledge

Doctorate 2010 - 2016	Istanbul University, Institute of Graduate Studies In Sciences, Fen Fakültesi Bölümü, Turkey
Postgraduate 2007 - 2010	Istanbul University, Institute of Graduate Studies In Sciences, Fen Fakültesi Bölümü, Turkey
Undergraduate 2001 - 2006	Ege University, Faculty Of Science, Matematik, Turkey

Certificates, Courses and Trainings

IT, Nesne Tabanlı Programlama, İSMEK, 2012

Dissertations

Doctorate, Hesaplanabilir Doğrular Geometrisi Üzerine, Istanbul University, Institute of Graduate Studies In Sciences, Matematik, 2016

Postgraduate, Bezier ve B-Spline Eğri ve Yüzeylerinin Bilgisayar Tasarımları ve Geometrik Eğrilikleri, Istanbul University, Institute of Graduate Studies In Sciences, Matematik/Geometri, 2010

Academic Titles / Tasks

Assistant Professor 2024 - Continues	Istanbul University, Faculty Of Science, Bilgisayar Bilimleri
Research Assistant PhD 2009 - 2024	Istanbul University, Faculty Of Science, Department Of Mathematics

Supported Projects

1. Bozbuğa N., Taş F., Erol A., Oğuz F., Yılğör Huri P., Pekkan K., Öncül M. O., TUBITAK Project, Aort Kapak Morfolojisinin Geometrik Modellenmesi, 3b Biyobaskılama ve Biyomimetik Akışkan Kültür Yöntemi ile Kişiselleştirilmiş Aort Kapak Protez Üretimi, 2023 - 2026
2. GEZER M., TAŞ F., SAYLAN S., AKALIN E., ÖZEL A., Project Supported by Higher Education Institutions, Ulusal Kırmızı Altı ve Raman Spektroskopi Veritabanı ve Ulusal Yazılımı Geliştirilmesi, 2014 - 2018
3. GİRESUNLU İ. M., TAŞ F., Project Supported by Higher Education Institutions, Hesaplanabilir Doğrular Geometrisi Üzerine, 2014 - 2016

Awards

1. TAŞ F., Uluslararası Bilimsel Yayınları Teşvik Programı (UBYT), TÜBİTAK-ULAKBİM, April 2011

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Developable Ruled Surfaces Generated by the Curvature Axis of a Curve**
Taş F., Ziatdinov R.
AXIOMS, no.12, 2023 (SCI-Expanded)
2. **A new approach to design the ruled surface**
Tas F., Ilarslan K.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.16, no.6, 2019 (SCI-Expanded)
3. **Clustering Neutrosophic Data Sets and Neutrosophic Valued Metric Spaces**
Tas F., Topal S., Smarandache F.
SYMMETRY-BASEL, vol.10, no.10, 2018 (SCI-Expanded)

Articles Published in Other Journals

1. **Trajectory curves and surfaces: A new perspective via projective geometric algebra**
TAŞ F.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.73, no.1, pp.64-75, 2024 (ESCI)
2. **CUSTOM-SIZED AORTIC VALVE: 3-DIMENSIONAL PRINTING USING GEOMETRIC MODELING OF AORTIC ROOT MORPHOLOGY**
BOZBUĞA N., TAŞ F.
Sabiad , vol.5, no.1, pp.1-5, 2022 (Peer-Reviewed Journal)
3. **Applications of Neutrosophic Logic of Smart Agriculture via Internet of Things**
Topal S., Taş F., Kireççi O. A.
International Journal of Neutrosophic Science, vol.12, no.2, pp.105-115, 2020 (Peer-Reviewed Journal)
4. **W-LINE CONGRUENCES**
Abdel-Baky R. A., TAŞ F.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.69, no.1, pp.450-460, 2020 (ESCI)
5. **On a Spacelike Line Congruence Which Has the Parameter Ruled Surfaces as Principal Ruled Surfaces**
Tas F., ABDEL-BAKY R. A.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.12, no.1, pp.135-143, 2019 (ESCI)
6. **On the Line Congruences**
Tas F., GÜRSOY O.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.11, no.2, pp.47-53, 2018 (ESCI)

7. **Bézier Surface Modeling for Neutrosophic Data Problems**
TOPAL S., TAŞ F.
Neutrosophic Sets and Systems, vol.19, no.1, pp.19-23, 2018 (ESCI)
8. **Bezier Curve Modeling for Neutrosophic Data Problem**
Tas F., Topal S.
NEUTROSOPHIC SETS AND SYSTEMS, vol.16, pp.3-5, 2017 (ESCI)
9. **A METHOD OF DETERMINING DUAL UNIT SPHERICAL BÉZIER CURVES**
TAŞ F.
Journal of Logic, Mathematics and Linguistics in Applied Sciences, no.1, pp.1-6, 2016 (Peer-Reviewed Journal)
10. **THE CURVATURE OF A BÉZIER CONTROL POLYLINE**
Tantay B., Taş F.
MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, pp.350-358, 2011 (Scopus)

Books & Book Chapters

1. **Modeling epidemics based on quantum decision-making model by the qutrit states and employing neutrosophic form of percolation analysis**
DURAN V., TOPAL S., AKAY K. U., TAŞ F., Smarandache F.
in: Cognitive Intelligence with Neutrosophic Statistics in Bioinformatics, Smarandache Florentin, Aslam Muhammad, Editor, Elsevier, pp.87-118, 2023
2. **Kalp Transplantasyonu Adaylarında Akış Süreci Modellemesi**
TAŞ F.
in: Kalp Transplantasyonunda Güncel Yaklaşımlar, Bozbuğa Nilgün, Editor, Türkiye Klinikleri, pp.38-41, 2023
3. **Biyomürekkepler ve Üç Boyutlu Biyobaskı**
BOZBUĞA N., TAŞ F., YILGÖR HURİ P., ÖNCÜL M. O.
in: TIP BİLİŞİMİ III, BOZBUĞA Nilgün, GÜLSEÇEN Sevinç, Editor, İSTANBUL ÜNİVERSİTESİ YAYINEVİ, İstanbul, pp.265-281, 2023
4. **Kornea Biyomekaniği: Deformasyon Dinamiğinin Modellenmesi**
SAĞLAM U., TAŞ F., SAKA E. U.
in: Tıp Bilişimi II, Bozbuğa Nilgün, Gülseçen Sevinç, Kamer Vedat, Kurtuldu Başak, Editor, Istanbul University Press, İstanbul, pp.169-179, 2022
5. **Matematik ve Tıp**
TAŞ F.
in: Tıpta İnsani Bilimler, Prof.Dr. Cengiz YAKINCI, Doç.Dr.S. Ayhan Çalışkan, Prof.Dr. Haydar Sur, Editor, Üsküdar Üniversitesi Yayınları, İstanbul, pp.325-332, 2022
6. **Sağlıkta Matematik Modelleme ve 3B Yazıcılar**
Taş F.
in: Teletıp ve Klinik Yapay Zeka, Bozbuğa Nilgün, Yakıncı Cengiz, Editor, İnönü Üniversitesi Yayınları, Ankara, pp.69-74, 2022
7. **Bilgisayar Destekli Anatomik Modelleme**
TAŞ F., BOZBUĞA N.
in: Tıp Bilişimi, Nilgün Bozbuğa, Sevinç Gülseçen, Editor, Istanbul University Press, İstanbul, pp.487-512, 2021

Refereed Congress / Symposium Publications in Proceedings

1. **Current Approaches in the Flow Processes of Patients Candidate for Heart Transplantation**
TAŞ F., BOZBUĞA N.
III. International Congress on Medical Informatics, Turkey, 28 - 30 September 2023
2. **Kornea Biyomekaniği: Deformasyon Dinamiğinin Modellenmesi**

Sağlam U., Taş F., Saka E. U.

II. Tıpta Bilişim Kongresi , İstanbul, Turkey, 30 September - 01 October 2021, pp.169-179

3. **On the developable ruled surface generated by the curvature axis of a curve**

TAŞ F.

19th INTERNATIONAL GEOMETRY SYMPOSIUM, Turkey, 27 June 2022

4. **Geometrik modelleme yöntemi ile üç boyutlu aort kapak basımı**

BOZBUĞA N., TAŞ F., ERTAN M., ALPAGUT İ. U.

Türk Kalp ve Damar Cerrahisi Odak Toplantıları, İstanbul, Turkey, 27 May 2022, vol.1, pp.7-8

5. **Biyomürekkepler.**

TAŞ F., . Yılğör Huri, P., BOZBUĞA N., ÖNCÜL M. O.

II. Tıpta Bilişim Kongresi "Dijital Sağlık ve Tıpta Yapay Zeka Uygulamaları, İstanbul, Turkey, 30 September 2021

6. **Quaternion Vector Fields**

TAŞ F.

18. International Geometry Symposium, Turkey, 12 - 15 July 2021

7. **Personalized medicine and computer aided anatomic modeling**

TAŞ F., BOZBUĞA N.

8th International Conference on Future Learning and Informatics: Data Revolution, (e-Conference), İstanbul, Turkey, 20 - 22 October 2020

8. **Bilgisayar Destekli Anatomik Modelleme**

BOZBUĞA N., TAŞ F.

İlk Bilgisayar ve Kazanımlar: Tıp Bilişimi ve Tele-Tıp, İstanbul, Turkey, 30 September 2020

9. **Spherical Bézier Curves and Ruled Surfaces**

TAŞ F., GÜRSOY O.

16th International Geometry Symposium, 4 - 07 July 2018

10. **Spherical Bezier Curves and Ruled Surfaces**

TAŞ F., GÜRSOY O., Topal S.

16 international geometry symposium, Manisa, Turkey, 4 - 07 July 2018

11. **Approximating the Definite Integral Computation: A Novel Method**

TAŞ F., Topal S.

16 international geometry symposium, Manisa, Turkey, 4 - 07 July 2018

12. **On the Line Congruences**

TAŞ F.

14th International Geometry Symposium, Denizli, Turkey, 25 - 28 May 2016

13. **Bir Bezier Kontrol Çokgeninin Çizgisel Eğriliği**

TAŞ F., TANTAY B.

13. Geometri Sempozyumu, İstanbul, Turkey, 27 - 30 July 2015, pp.28

14. **Dual Bezier Eğrisi ve Doğrusal Yüzeyler**

TAŞ F., GÜRSOY O., KATMER V.

VIII. Geometri Sempozyumu, Antalya, Turkey, 29 April - 02 May 2010, pp.38

Courses

Bilişimde Yeni Teknolojiler, Undergraduate, 2023 - 2024

Lambda Hesap, Undergraduate, 2023 - 2024

Patent

Taş F., BOZBUĞA N., Aort kapak morfolojisinin geometrik modellenmesi ve kök hücre implantasyon yöntemiyle laboratuvar ortamında kişiye özgü ölçülerde aortik otogreft üretimi, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2019 23098 , Standard Registration, 2022

Memberships / Tasks in Scientific Organizations

Türk Matematik Derneği, Member, 2010 - Continues

Scientific Refereeing

FİLOMAT, SCI Journal, February 2019

Asian Journal of Mathematics and Computer Research, Other Indexed Journal, February 2018

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, December 2016

Tasks In Event Organizations

Taş F., Bozbuğa N., Gülseçen S., Bayraktutan F., III. International Congress on Medical Informatics, Scientific Congress, İstanbul, Turkey, Eylül 2023

Metrics

Publication: 34

Citation (WoS): 42

Citation (Scopus): 34

H-Index (WoS): 5

H-Index (Scopus): 3

Congress and Symposium Activities

16. International Geometry Symposium, Attendee, Manisa, Turkey, 2018

14th International Geometry Symposium, Attendee, Denizli, Turkey, 2016

13.Geometri Sempozyumu, Attendee, İstanbul, Turkey, 2015

8. Ulusal Geometri Sempozyumu, Attendee, Antalya, Turkey, 2010

Research Areas

Medicine, Surgery Medicine Sciences, Cardiovascular System Surgery, Computer Sciences, Computer Graphics, Computer Graphics, Mechanical Engineering, Construction and Manufacturing, Computer Aided Design and Manufacturing, Mathematics, Differential Geometry, Dynamic Systems and Ergodic Theory, Geometry, Topological Groups, Lie Groups, Physics, Interdisciplinary Physics and Related Science and Technology Areas, Biophysics and Medical Physics, Materials Science, Health Sciences, Natural Sciences, Engineering and Technology